Saitama University
Graduate School of Science & Engineering

Energy System – Information Technology Innovation
International Professional Program

Message from the Head of ESITI Program

I am pleased to introduce our new program, Energy System-Information Technology Innovation (ESITI) International Professional Program under the Graduate School of Science & Engineering of Saitama University. This program aims to develop excellent human resources who can contribute to regional development in the world, such as by further enhancing the healthcare and medical care, education systems through the diffusion and expansion of energy systems based on independent power sources and the use of information and communication technologies. As stated in the UN Sustainable Development Goals (SDGs), in order to eliminate poverty from the world and to realize the societies where people can continue to live in safety and prosperity, human resource development is the important key to the solution.

ESITI program offers excellent opportunities to highly qualified international students for pursuing graduate studies and research with cross-disciplinary basic science and applied knowledge, accessing sustainable development from the fields of Information & Computer Sciences, Electrical & Electronic Engineering and Mechanical Engineering.

We are committed to offering the best education environment both in terms of research and course work. Our faculty is comprised of well-known experts in their respective fields and boasts excellent experimental, computing, and reference facilities. All courses are conducted in English but also we offer Japanese language classes, cultural exchange events, Japanese companies visit and so on, so that the student can have a great experience in studying in Japan.

We look forward to welcoming you to our Energy System-Information Technology Innovation (ESITI) International Professional Program at Saitama University.

Tetsuya SHIMAMURA
Professor
Department of Information & Computer Sciences
The Head of ESITI Program

What is ESITI Program

Based on the groundwork for human resource development established in the preceding program, International Graduate Program on Renewable Energy System Engineering (RESE), ESITI program aims to apply and develop energy systems with independent power supplies, and to use innovative ideas in information and communication technology for sensing, remote healthcare by developing human resources for sustainable smart cities, which will further enhance the systems of healthcare, medical care and education, as well as life-support infrastructure systems.

There are 3 Doctoral Courses available through our program which are, Mathematics, Electronics, and Informatics Course, Material Science Course, Mechanical Engineering Course.

The Program is the English-mediated, three-year doctoral program which starts either in April or October.
Japanese Monbukagakusho MEXT (Ministry of Education, Culture, Sports, Science and Technology) University Recommendation Scholarships are awarded to 8 highly qualified students every year.

Doctoral Courses

Mathematics, Electronics & Informatics

Cultivate researchers with specialized knowledge and skills related to theory, hardware, and software in the field of mathematics, electronics, and informatics; the ability to conduct highly innovative research from a broad perspective by organically linking technologies in various fields.

Materials Science

Promotes research and education based on science related to the structures, interactions, functions, and reactions of material systems at all levels, from elementary particles to macro materials, as well as theoretical and applied research on those sciences.

Mechanical Engineering

Cultivate researchers and practitioners with the ability to create systems with new functions based on societal needs, such as human-friendly production machines with new functions and human support-oriented mechanical systems based on core production science technologies and human support technologies.
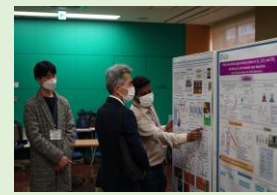
ESITI Poster Session 2022

On March 2nd 2022, ESITI Program held our first poster session on Saitama University Campus. 20 students of our program from South and Southeast Asia, Africa, Japan have participated and presented each research fields. The research fields were divided into the following four categories; Computer Sciences, Electrical & Electronics Systems Engineering, Materials Science, Mechanical Engineering.

It was a great opportunity to share the information with other students from different fields. Especially, during the pandemic situation, students and faculty members had not have enough chance to meet each other and exchange information.
We also have invited Japanese companies for this event. We have received many wonderful comments from the companies that it was great to see enthusiastic and hardworking international students.
There were so many good feedbacks for this event and we hope to plan it again.

Congratulations Graduates!

It is our great honor that 3 international students from our former program (RESE) had graduated the Doctoral Course in this September. The Degree Awarding Ceremony was held at Saitama University Hall on the 2nd September.

Dr. Abdul Kuddus
Shirai Lab.
Material Science Course

Dr. Mahmudul Hasan
Kobayashi Lab.
Information & Computer
Science Course

Dr. Su Wai Tun
Komuro Lab.
Information & Computer
Science Course

Congratulations!!
We wish you every
success in your future.

Joining the events with Saitama City International Exchange Center

Mini Lecture for Saitama City Citizens

On July 9th, Ms. Lae Lae Htun, Shimamura Labhas given a mini lecture to the citizens of Saitama City in Japanese language. All the participants listened with great interest to the nature and culture of her country.

Saitama City Disaster Prevention Training Fair 2022

On September 4th, some of the ESITI Program students join the Disaster Prevention Training Fair. There were several trainings and demonstration to prepare for earthquakes, floods and other disasters. It was a good experience to know how Japanese people always prepare for those disasters.

For the Admission info. please check our website for details.
http://park.Saitama-u.ac.jp/~rese/